



KT Refractories US Company

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AZS, ZrO₂_Al₂O₃_SiO₂ Refractory Bricks Datasheet

Products Specs	Zircon Mullite Brick		Zircon Mullite Brick		Bonded AZS Brick		Bond AZS Brick		Zirconia Corundum Brick	Rebonded Fused Mullite Brick (with Zirconia Addition)	
	MZ-20		MZ-30		AZS-30A		AZS-30B		ZA-33	MFZ-6	
	Pressing	Slip Casting	Pressing	Slip Casting	Pressing	Slip Casting	Regular Shape	Special Shape	Pressing	Pressing	Slip Casting
A ₂ O ₃ (%)	>=60	>=60	>=50	>=50	>=48	>=48	>=48	>=48	>=48	>=70	>=70
ZrO ₂ (%)	20 +-1	19 +-1	30 +-1	29 +-1	30 +-1	29+-1	30 +-1	30 +-1	33 +-1	6 +-1	5 +-1
Fe ₂ O ₃ (%)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Apparent Porosity (5)	<=18	<=22	<=18	<=22	<=17	<=20	<=18	<=20	<=17	<=16	<=20
Bulk Density (g/cm ³)	>=3.0	>=2.75	>=3.05	>=2.8	>=3.10	>=2.90	>=3.0	>=2.92	>=3.20	>=2.75	>=2.55
Refractoriness under Load T _{0.6} (°C)	>=1640	>=1600	>=1650	>=1630	>=1630	>=1600	>=1650	>=1630	>=1680	>=1700	>=1680
Cold Crushing Strength (MPa)	>=100	>=80	>=100	>=80	>=100	>=80	>=100	>=100	>=100	>=100	>=80

Note: all chemical-physical data are obtained based on the corresponding standard sized refractory bricks